

AMENDMENTS TO THE CLAIMS

Please add new claims 25 through 32, as follows:

1 1. (Original) A method for informing a user of a private mobile communication service
2 possible area when a mobile communication terminal enters a private mobile communication
3 network being interoperable with a public mobile communication network, comprising the steps of:

4 upon receiving a system parameter message being broadcast by the private mobile
5 communication system, checking a predetermined bit for indicating the private mobile
6 communication service area contained in the system parameter message;

7 when the mobile communication terminal exists in the private mobile communication service
8 area, transmitting a location registration message including a predetermined registration type to the
9 private mobile communication system;

10 receiving a message indicating a private mobile communication service possible state from
11 the private mobile communication system according to registration result information of the private
12 mobile communication system; and

13 informing the user of the private mobile communication service possible state.

1 2. (Original) The method as set forth in claim 1, wherein the message indicating the private
2 mobile communication service possible state is a feature notification message including a
3 predetermined field used for indicating the private mobile communication service possible state.

1 3. (Original) The method as set forth in claim 1, wherein the step of informing the user of the
2 private mobile communication service possible state is established by any one of an icon display, a
3 voice message, a character display, vibration and a ring tone.

1 4. (Original) A method for informing a user of a private mobile communication service
2 possible area when a mobile communication terminal enters a private mobile communication
3 network being interoperable with a public mobile communication network, comprising the steps of:

4 upon receiving a system parameter message being broadcast by the private mobile
5 communication system, checking a predetermined bit for indicating the private mobile
6 communication service area contained in the system parameter message;

7 when the mobile communication terminal exists in the private mobile communication service
8 area, transmitting a location registration message including a predetermined registration type to the
9 private mobile communication system;

10 receiving a message indicating a private mobile communication service possible state from
11 the private mobile communication system; and

12 informing the user of the private mobile communication service possible state.

1 5. (Original) The method as set forth in claim 4, wherein the message indicating the private
2 mobile communication service possible state is a feature notification message having a
3 predetermined field used for indicating the private mobile communication service possible state.

1 6. (Original) The method as set forth in claim 5, wherein the predetermined field is a CHARI
2 field of an IS-95 Information Records Element.

1 7. (Original) The method as set forth in claim 4, wherein the step of indicating the private
2 mobile communication service possible state is established by at least one of an icon display, a voice
3 message, a character display, vibration and a ring tone.

1 8. (Original) A method for informing a mobile communication terminal of a private mobile
2 communication service possible area in a private mobile communication system being interoperable
3 with a public mobile communication network, comprising the steps of:

4 broadcasting a system parameter message with a predetermined bit indicating a private
5 mobile communication service area to at least one mobile communication terminal residing in the
6 private mobile communication service area;

7 receiving a registration message including a predetermined registration type requesting to
8 register in the private mobile communication system from the mobile communication terminal;

9 searching for a subscriber database of the private mobile communication system to determine
10 whether the mobile communication terminal is registered or not, and performing a location
11 registration of the mobile communication terminal according to registration result information of the
12 mobile communication terminal; and

13 transmitting a message indicating a private mobile communication service possible state to

14 the mobile communication terminal.

1 9. (Original) The method as set forth in claim 8, wherein the message indicating the private
2 mobile communication service possible state is a feature notification message having a
3 predetermined field used for indicating the private mobile communication service possible state.

1 10. (Original) The method as set forth in claim 9, wherein the predetermined field is a
2 CHARi field of an IS-95 Information Records Element.

1 11. (Original) The method as set forth in claim 8, wherein the step of indicating the private
2 mobile communication service possible state is established by any one selected from a group
3 consisting of an icon display, a voice message, a character display, vibration and a ring tone.

1 12. (Original) A method for informing a mobile communication terminal of a private mobile
2 communication service possible area in a private mobile communication system being interoperable
3 with a public mobile communication network, comprising the steps of:

4 broadcasting a system parameter message with a predetermined bit indicating a private
5 mobile communication service area to at least one mobile communication terminal residing in the
6 private mobile communication service area;

7 receiving a registration message including a predetermined registration type requesting to
8 register in the private mobile communication system from the mobile communication terminal;

9 performing a location registration of the mobile communication terminal after receiving the
10 registration message; and

11 transmitting a message indicating a private mobile communication service possible state to
12 the mobile communication terminal.

1 13. (Original) The method as set forth in claim 12, wherein the message indicating the private
2 mobile communication service possible state is a feature notification message having a
3 predetermined field used for indicating the private mobile communication service possible state.

1 14. (Original) The method as set forth in claim 13, wherein the predetermined field is a
2 CHARi field of an IS-95 Information Records Element.

1 15. (Original) The method as set forth in claim 12, wherein the step of indicating the private
2 mobile communication service possible state is established by any one of an icon display, a voice
3 message, a character display, vibration and a ring tone.

1 16. (Original) A method for informing at least one mobile communication terminal of a
2 specific area of a mobile communication network in a mobile communication system when the
3 mobile communication terminal enters the specific area of the mobile communication network,
4 comprising the steps of:

5 broadcasting a system parameter message with a predetermined bit indicating the specific

6 area to the mobile communication terminal residing in the mobile communication service area;
7 receiving a registration message including a predetermined registration type requesting to
8 register in the mobile communication system from the mobile communication terminal;
9 searching for a subscriber database of the mobile communication system to determine
10 whether the mobile communication terminal is registered or not, performing a location registration
11 of the mobile communication terminal according to registration result information of the mobile
12 communication terminal; and
13 transmitting a message indicating a specific area service possible state to the mobile
14 communication terminal.

1 17. (Original) The method as set forth in claim 16, wherein the message indicating the
2 specific area service possible state is a feature notification message having a predetermined field
3 used for indicating the specific area service possible state.

1 18. (Original) The method as set forth in claim 17, wherein the predetermined field is a
2 CHARI field of an IS-95 Information Records Element.

1 19. (Original) The method as set forth in claim 16, wherein the mobile communication
2 terminal indicates the specific area service possible state by any one of an icon display, a voice
3 message, a character display, vibration and a ring tone.

1 20. (Original) A method for informing a user of a specific area of a mobile communication
2 network when the mobile communication terminal enters the specific area of a mobile
3 communication system, comprising the steps of:

4 upon receiving a system parameter message being broadcast by the mobile communication
5 system, checking a predetermined bit for indicating the specific area in the system parameter
6 message;

7 when the mobile communication terminal exists in the service area of the specific area,
8 transmitting a registration message including a predetermined registration type to the mobile
9 communication system;

10 receiving a message indicating a specific area service possible state in the mobile
11 communication network from the mobile communication system; and

12 informing the user of the specific area service possible state.

1 21. (Original) The method as set forth in claim 20, wherein the step of indicating the specific
2 area service possible state is established by any one of an icon display, a voice message, a character
3 display, vibration and a ring tone.

1 22. (Original) A computer-readable medium having computer-executable instructions for
2 performing a method for informing a user of a private mobile communication service possible area
3 when a mobile communication terminal enters a private mobile communication network being
4 interoperable with a public mobile communication network, comprising:

5 upon receiving a system parameter message being broadcast by the private mobile
6 communication system, checking a predetermined bit for indicating the private mobile
7 communication service area contained in the system parameter message;

8 when the mobile communication terminal exists in the private mobile communication service
9 area, transmitting a location registration message including a predetermined registration type to the
10 private mobile communication system;

11 receiving a message indicating a private mobile communication service possible state from
12 the private mobile communication system according to registration result information of the private
13 mobile communication system; and

14 informing the user of the private mobile communication service possible state.

1 23. (Original) The computer-readable medium of claim 22, wherein the message indicating
2 the private mobile communication service possible state is a feature notification message including
3 a predetermined field used for indicating the private mobile communication service possible state.

1 24. (Original) The computer-readable medium of claim 23, wherein the step of informing the
2 user of the private mobile communication service possible state is established by selecting any one
3 of group consisting of an icon display, a voice message, a character display, vibration and a ring tone.

1 25. (New) A method for performing a manner mode conversion function of a mobile
2 communication terminal in a private mobile communication network being interoperable with a

3 public mobile communication network, comprising the steps of:

4 upon receiving a system parameter message being broadcast by the private mobile
5 communication system, checking a predetermined bit for indicating the private mobile
6 communication service area contained in the system parameter message;

7 when the mobile communication terminal exists in the private mobile communication service
8 area, transmitting a location registration message including a predetermined registration type to the
9 private mobile communication system; and

10 receiving a message indicating a private mobile communication service possible state from
11 the private mobile communication system, and performing the manner mode conversion function
12 when the received message has a bit indicating the manner mode conversion function.

1 26. (New) The method as set forth in claim 25, wherein the message indicating the private
2 mobile communication service possible state is a feature notification message having a
3 predetermined field used for indicating the private mobile communication service possible state.

1 27. (New) A method for providing at least one mobile communication terminal with a
2 manner mode conversion function in a private mobile communication system being interoperable
3 with a public mobile communication network, comprising the steps of:

4 broadcasting a system parameter message with a predetermined bit indicating a private
5 mobile communication service area to the mobile communication terminal contained in a private
6 mobile communication service area;

7 receiving a location registration message including a predetermined registration type
8 requesting to register in the private mobile communication system from the mobile communication
9 terminal; and

10 performing a location registration of the mobile communication terminal after receiving the
11 location registration message, and transmitting a message which contains a bit indicating the manner
12 mode conversion function and indicates a private mobile communication service possible state to
13 the mobile communication terminal.

1 28. (New) The method as set forth in claim 27, wherein the message indicating the private
2 mobile communication service possible state is a feature notification message having a
3 predetermined field used for indicating the private mobile communication service possible state.

1 29. (New) A method for providing at least one mobile communication terminal with a
2 manner mode conversion function in a mobile communication system when the mobile
3 communication terminal enters the specific area of the mobile communication network, comprising
4 the steps of:

5 broadcasting a system parameter message with a predetermined bit indicating the specific
6 area to the mobile communication terminal contained in a private mobile communication service
7 area;

8 receiving a registration message having a predetermined registration type requesting to
9 register in the mobile communication system of the specific area from the mobile communication

10 terminal; and

11 searching for a subscriber database of the mobile communication system to determine
12 whether the mobile communication terminal is registered or not, performing a location registration
13 of the mobile communication terminal according to registration result information of the mobile
14 communication terminal, and transmitting a message which contains a bit indicating the manner
15 mode conversion function and indicates a specific area service possible state to the mobile
16 communication terminal.

1 30. (New) The method as set forth in claim 29, wherein the message indicating the specific
2 area service possible state is a feature notification message having a predetermined field used for
3 indicating the specific area service possible state.

1 31. (New) A method for performing a manner mode conversion function of a mobile
2 communication terminal when the mobile communication terminal enters a specific area of a mobile
3 communication system, comprising the steps of:

4 upon receiving a system parameter message being broadcast by the mobile communication
5 system, checking a predetermined bit for indicating a service area of the specific area in the system
6 parameter message, and determining whether the mobile communication terminal exists in the
7 specific area service area;

8 when the mobile communication terminal exists in the specific area service area, transmitting
9 a registration message including a predetermined registration type to the mobile communication

10 system of the specific area; and
11 receiving a message indicating a specific area service possible state in a mobile
12 communication network from the private mobile communication system, and performing the manner
13 mode conversion function when the received message has a bit indicating the manner mode
14 conversion function.

1 32. (New) The method as set forth in claim 31, wherein the message indicating the specific
2 area service possible state is a feature notification message having a predetermined field used for
3 indicating the specific area service possible state.